



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yeo, *et al.* Docket No.: TSMC2003-0555  
Serial No.: 10/628,020 Art Unit: 2811  
Filed: July 25, 2003 Examiner: TBD  
For: Capacitor with Improved Capacitance Density and Method of Manufacture


**Certificate of Mailing via First Class Mail (37 C.F.R. § 1.8(a))**

Date of Deposit: October 31, 2003

I hereby certify that the below listed correspondence is being deposited with the United States Postal Service on the date indicated above as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Certificate of Mailing via First Class Mail (1 page)  
Information Disclosure Statement (1 page)  
Form PTO/SB/08A (1 page) w/4 cited references  
Return Postcard

Respectfully submitted,

  
Julie Russell  
Legal Assistant

Slater & Matsil, L.L.P.  
17950 Preston Rd., Suite 1000  
Dallas, TX 75252  
Tel: 972-732-1001  
Fax: 972-732-9218



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yeo, *et al.* Attorney Docket: TSM03-0555  
Filed: July 25, 2003 Examiner: TBD  
Serial No.: 10/628,020 Art Unit: 2811  
For: Capacitor with Improved Capacitance Density and Method of Manufacture

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Applicant wishes to bring to the attention of the Patent and Trademark Office the information noted on the enclosed form PTO/SB/08A that may be considered material to the examination of the above-identified application. Pursuant to 37 CFR 1.98(a)(2)(i), as amended, copies of U.S. Patents cited are not being submitted. However, Applicant has included copies of the international patent and non-patent literature.

No fee is due at this time, as this Information Disclosure Statement is being filed pursuant to 37 C.F.R. § 1.97(b)(3), before the mailing of a first Office Action on the merits.

Respectfully submitted,

Ira S. Matsil  
Attorney for Applicant  
Reg. No. 35,272

10/31/03

Date

Slater & Matsil, L.L.P.  
17950 Preston Rd., Suite 1000  
Dallas, TX 75252  
(972) 732-1001 (phone)  
(972) 732-9218 (fax)



PTO/SB/08A (05-03)

Approved for use through 05/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/628,020
Filing Date	July 25, 2003
First Named Inventor	Yeo, <i>et al.</i>
Art Unit	2811
Examiner Name	Unknown
Attorney Docket Number	TSM03-0555

Sheet

1

of

1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A	US-6,258,664 B1	07-10-2001	Reinberg	
	B	US-6,358,791 B1	03-19-2002	Hsu, <i>et al.</i>	
	C	US-2002/0153549 A1	10-24-2002	Laibowitz, <i>et al.</i>	
	D	US-6,475,838 B1	11-05-2002	Bryant, <i>et al.</i>	
	E	US-2003/0030091 A1	02-13-2003	Bulsara, <i>et al.</i>	
	F	US-6,524,905 B2	02-25-2003	Yamamichi, <i>et al.</i>	
	G	US-6,558,998 B2	05-06-2003	Belleville, <i>et al.</i>	
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	H	WO 03/017336 A2	02-27-2003	Amberwave Systems Corporation		

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	I	WANG, L.K., <i>et al.</i> , "On-Chip Decoupling Capacitor Design to Reduce Switching-Noise-Induced Instability in CMOS/SOI VLSI," Proceedings of the 1995 IEEE International SOI Conference, Oct. 1995, pp. 100-101.	
	J	YEOH, J.C., <i>et al.</i> , "MOS Gated Si:SiGe Quantum Wells Formed by Anodic Oxidation," Semicond. Sci. Technol. (1998), Vol. 13, pp. 1442-1445, IOP Publishing Ltd., UK.	
	K	CAVASSILAS, N., <i>et al.</i> , "Capacitance-Voltage Characteristics of Metal-Oxide-Strained Semiconductor Si/SiGe Heterostructures," Nanotech 2002, Vol. 1, pp. 600-603.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.